Data Sheet

We make sure

LIFEBOOK E8420
The expert without compromises

Issue: August 2008

Fujitsu Siemens Computers is the leading European IT manufacturer. With a strategic focus on innovative mobility and the dynamic data center, we offer a unique range of products and services from notebooks and desktops to servers and IT infrastructure solutions. Famous German engineering and exceptional in-house quality testing capabilities in our test centers ensure extraordinary product quality and reliability across all product lines.

LIFEBOOK E8420
The simple philosophy behind LIFEBOOK E8420: only the best is good enough. It is the ideal choice for performance-oriented office-based users: use state-of-the-art technology and work becomes a pleasure. 15.4-inch WSXGA+ display and an optional NVIDIA graphics card ensure a brilliant display screen and best performance.

More than enough performance
Maximum productivity even for the most demanding of applications thanks to state-of-the-art technology.
- Intel® Centrino® 2 with vPro™ technology, optional high-performance NVIDIA graphics card

Ideal substitute for a desktop
Effective working even for the most demanding of users in all situations.
- 15.4-inch WSXGA+ display, modular bay, optional second 320GB hard drive

Maximum connectivity
Available everywhere - wireless connectivity anytime anywhere, even if there is no hotspot nearby.
- Optional integrated 3G/UMTS, WLAN and Bluetooth

Maximum security
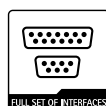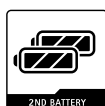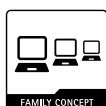Protect your company data against unauthorized third-party access.
- Benefit from our end-to-end anti-theft concept with system and user protection, such as optional fingerprint sensor, TPM module and SmartCase Logon+

Security
Protect your business intelligence and keep your data confidential.
- Benefit from our holistic concept of theft protection plus system and user security.

Windows Vista® Business

intel® Centrino® 2 vPro™ inside

SIERRA WIRELESS EMPOWERED™

| BEST CONNECTIVITY | SYSTEM GUARDS | ULTIMATE SECURITY | FAMILY CONCEPT | 2ND BATTERY | BRILLIANT GRAPHICS | FULL SET OF INTERFACES | INFORMATION DISPLAY | CONFCAM | GREEN |

Components

Processor	Intel® Core™2 Duo T9600 (2.8 GHz, 6 MB, 1066 MHz)
	Intel® Core™2 Duo T9400 (2.53 GHz, 6 MB, 1066 MHz)
	Intel® Core™2 Duo P8600 (2.4 GHz, 3 MB, 1066 MHz)
	Intel® Core™2 Duo P8400 (2.26 GHz, 3 MB, 1066 MHz)
Memory modules	2 GB (1 x 2 GB, DDR3), 1066 MHz
	1 GB (1 x 1 GB, DDR3), 1066 MHz
Hard disk drives (internal)	320 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T.
	160 GB, 7200 rpm, SATA, 2.5-inch S.M.A.R.T.
	160 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T.
	120 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T.
Hard disk notes	ShockSensor for HDD shock protection
	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity
Display	15.4-inch TFT 1680 x 1050 pixel (WSXGA+)
WLAN (optional)	Atheros Minicard b/g 802.11 b/g
	Intel® Wireless WiFi Link 5300 AGN 11/13ch
UMTS/HSUPA (optional)	Sierra Wireless MC8790 (downlink 7.2 MBit/s, uplink 2.0 MBit/s)
Modular bay options	2nd battery
	2nd hard disk drive
	DVD Super Multi
	Weight saver

Base unit	LIFEBOOK E8420 15.4-inch WXGA NVIDIA graphics	LIFEBOOK E8420 15.4-inch
General system information		
Chipset	Intel® GM45, ICH 9-M	Intel® PM45, ICH 9-M
BIOS features	BIOS based on Phoenix SecureCore	BIOS based on Phoenix SecureCore
Memory slots	2 DIMM	2 DIMM
Turbo memory	Optional 4 GB	Optional 4 GB
Supported capacity RAM (min.)	1 GB	1 GB
Supported capacity RAM (max.)	4 GB	4 GB
Memory notes	DDR3 - 1066 MHz	DDR3 - 1066 MHz
	8 GB - with future memory models.	8 GB - with future memory models.
Interfaces		
DC-in	1	1
Audio: line-in / microphone	1	1
Audio: line-out /headphone	1	1
Internal microphones	2	2
USB 2.0 total	4	4
VGA	1	1
HDMI	1	1
Serial (RS-232)	1	1
Ethernet (RJ-45)	1	1
Parallel	1	1
FireWire (IEEE1394)	1	1
Modem (RJ-11)	1	1
Docking connector for Port Replicator	1	1
Kensington Lock support	2	2
Memory card slots	1	1
ExpressCard slots	1	1
PC Card slot (Type I/II)	1	1
SmartCard slot	1	1
SIM card slot	1 (option)	1 (option)
Wired communication		
Modem type	Optional: 56 K V.92 modem MDC1.5	Optional: 56 K V.92 modem MDC1.5
LAN	Built-in 10/100/1000 MBit/s Intel® 82567LM	10/100/1000 MBit/s Intel® 82567LM
Wireless technologies		
Antennas	3 Dual band WLAN antennas, 2 UMTS antenna	3 Dual band WLAN antennas, 2 UMTS antenna
Infrared link (Fast IrDa 1.1, 4 Mbps)	1	1
WLAN notes	Import and usage according to country-specific regulations.	Import and usage according to country-specific regulations.
Keyboard and pointing devices		
	Spill proof keyboard	Spill proof keyboard
	Number of keyboard keys: 86, Keyboard pitch: 19 mm, Keyboard stroke: 2.7 mm	Number of keyboard keys: 86, Keyboard pitch: 19 mm, Keyboard stroke: 2.7 mm
	TouchStick	TouchStick
	TouchPad with two mouse buttons and one scroll button	TouchPad with two mouse buttons and one scroll button
	Second set of mouse buttons	Second set of mouse buttons
	EcoButton	EcoButton
	LockWorkstation button	LockWorkstation button
	MobilityCenter button	MobilityCenter button
	Fingerprint sensor	Fingerprint sensor

Multimedia

Audio type	On board	On board
Audio codec	Realtek ALC269	Realtek ALC269
Audio features	Stereo speakers, 2 internal microphones	Stereo speakers, 2 internal microphones
Camera	Optional: Built-in ConfCamera, 1.3 megapixel, VGA camera	Optional: Built-in ConfCamera, 1.3 megapixel, VGA camera

Graphics

max. resolution external display	1920 x 1200 pixel	1920 x 1200 pixel
Graphics brand name	NVIDIA® GeForce 9300M GS	Intel® GMA X4500 HD
Graphic features	DualView (Windows XP & Windows Vista)	DualView (Windows XP & Windows Vista)

Power supply

AC adapter	19 V / 100 W (5.27A)	19 V / 80 W (4.22A)
Rated voltage range	100 - 240 V (AC Input)	100 - 240 V (AC Input)
Rated frequency range	50 - 60 Hz	50 - 60 Hz
1st battery	Li-Ion battery 8-cell, 5200 mAh, 74 Wh	Li-Ion battery 8-cell, 5200 mAh, 74 Wh
2nd battery	Li-Ion, 3800 mAh, 41 Wh	Li-Ion, 3800 mAh, 41 Wh
Battery features	Dynamic charge supported (rapid charge)	Dynamic charge supported (rapid charge)
Benchmark		Mobile Mark 2005
Runtime 1st battery	up to 5 h	up to 5 h
Runtime 1st + 2nd battery	up to 8.5 h	up to 8.5 h
Battery notes	Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.	Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.

Dimensions / Weight / Environmental

Operating ambient temperature	5 - 35 °C	5 - 35 °C
Dimension (W x D x H)	357 x 260 x 36 mm	357 x 260 x 36 mm
Weight	2.7 kg	2.7 kg
Weight notes	Weight may vary depending on actual configuration.	Weight may vary depending on actual configuration.

Operating system

Operating system optional preinstalled	Microsoft® Windows Vista® Business 32bit Microsoft® Windows Vista® Home Basic TwinLoad Microsoft® Windows® XP Professional (DVD)	Microsoft® Windows Vista® Business 32bit Microsoft® Windows Vista® Home Basic TwinLoad Microsoft® Windows® XP Professional (DVD)
Operating system notes	Driver support for Microsoft Windows XP	Driver support for Microsoft Windows XP

Additional Software

Additional software (preinstalled)	Adobe Acrobat Reader Application panel tool Eco Power Saving Utility EasyGuide online user documentation Nero Essentials (burning software) Norton Internet Security (incl. Firewall) on Drivers & Utilities DVD for Microsoft Windows XP Toshiba Bluetooth Stack	Adobe Acrobat Reader Application panel tool Eco Power Saving Utility EasyGuide online user documentation Nero Essentials (burning software) Norton Internet Security (incl. Firewall) on Drivers & Utilities DVD for Microsoft Windows XP Toshiba Bluetooth Stack
Additional software (optional)	Windows Vista® recovery media Drivers & Utilities DVD (DUDVD) UMTS connection manager (optional with UMTS) SmartCase Logon+	Windows Vista® recovery media Drivers & Utilities DVD (DUDVD) UMTS connection manager (optional with UMTS) SmartCase Logon+

Manageability

Manageability features	DeskUpdate Driver management DeskView Migrate (optional) DeskView Control (optional)	DeskUpdate Driver management DeskView Migrate (optional) DeskView Control (optional)
Manageability type	DeskView 10.x client management including:	DeskView 10.x client management including:
DeskView features	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration WoL (Wake on LAN)	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration WoL (Wake on LAN)
Supported standards	WMI PXE BootP (made4you)	WMI PXE BootP (made4you)
Manageability link	http://www.fujitsu-siemens.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html	http://www.fujitsu-siemens.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html

Security

Physical security	Kensington Lock support	Kensington Lock support
System security	Optional: Trusted plattform module (TPM 1.2) Symantec Norton Internet Security	Optional: Trusted plattform module (TPM 1.2) Symantec Norton Internet Security

Security

User security	Optional: Integrated Fingerprint Sensor Integrated SmartCard controller in PC Card with system lock support Separate SmartCard slot Hard disk password SystemLock BIOS SmartCard security User and supervisor BIOS password	Optional: Integrated Fingerprint Sensor Integrated SmartCard controller in PC Card with system lock support Separate SmartCard slot Hard disk password SystemLock BIOS SmartCard security User and supervisor BIOS password

Compliance

USA/Canada	FCC Class B (Depending on wireless configuration)
Compliance link	https://sp.fujitsu-siemens.com/sites/certificates/default.aspx

Portreplicator interfaces (optional)

DC-in	1
Power on switch	1
Headphones	1
Microphones	1
USB 2.0 total	4
VGA	1
DVI	1 (with HDCP Support)
Serial (RS-232)	1
PS/2 (mouse / keyboard)	1
Ethernet (RJ-45)	1
Parallel	1
Kensington Lock support	2

Information about environmental care, policies, programs and our Environmental Guideline FSC 03230:
http://www.fujitsu-siemens.com/aboutus
Take back and Recycling information:
http://www.fujitsu-siemens.com/recycling